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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/809,488	03/15/2001	Masato Hirano	F-6905	5651

7590 05/21/2003

JORDAN AND HAMBURG  
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EXAMINER

NGUYEN, BINH AN DUC

ART UNIT

PAPER NUMBER

3713

DATE MAILED: 05/21/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	09/809,488	HIRANO ET AL. <i>Ko</i>
	Examiner Binh-An D. Nguyen	Art Unit 3713

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 19 February 2003.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 9-20 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 9-20 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.
 

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION**

1. The Amendment filed in Paper No. 4, February 19, 2003 has been received.

According to the Amendment, claims 9-12 have been amended; and new claims 13-20 have been added. Note that, new claims 13-20 have raised issues of new subject matter. Currently, claims 9-20 are pending. Acknowledgment has been made.

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 13-20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 13, the limitations of moving parts cassettes respectively accommodating different types of electronic components each to a component feeding position in a desired component mounting order such that a particular type of component of said electronic components can be picked-up by a particular component suction nozzle of said component suction nozzles (lines 5-9); and the order of method of mounting, e.g., the steps of moving the particular type of electronic component to a component mounting position and mounting the particular type of electronic component on the

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circuit substrate at said component mounting position (lines 17-20) come before the steps of obtaining data on an amount of displacement detected and adjusting the component feeding position have not been disclosed in the specification.

Further, the limitations of accommodating each of the different types of said electronic components in respective parts cassettes; repeating said method for each of the different types of said electronic components; and separately storing the data on the amount of displacement of the particular type of component measured each time the method is repeated (claim 15); determining whether a deviation... electronic components (claim 16); wherein said step of adjusting... said deviation (claim 17); and said step of moving parts... show said deviation (claim 18) have not been disclosed in the specification.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 9-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 9 and 12, the recited terms "the circuit substrate," line 10, respectively, lacks antecedent basis.

Further, in claim 13, the limitations of moving parts cassettes respectively accommodating different types of electronic components each to a component feeding position in a desired component mounting order such that a particular type of

component of said electronic components can be picked-up by a particular component suction nozzle of said component suction nozzles (lines 5-9); and the order of method of mounting, e.g., the steps of moving the particular type of electronic component to a component mounting position and mounting the particular type of electronic component on the circuit substrate at said component mounting position (lines 17-20) come before the steps of obtaining data on an amount of displacement detected and adjusting the component feeding position have not been disclosed in the specification.

Furthermore, in claims 15-18, the limitations of accommodating each of the different types of said electronic components in respective parts cassettes; repeating said method for each of the different types of said electronic components; and separately storing the data on the amount of displacement of the particular type of component measured each time the method is repeated (claim 15); determining whether a deviation... electronic components (claim 16); wherein said step of adjusting... said deviation (claim 17); and said step of moving parts... show said deviation (claim 18) also have not been disclosed in the specification.

6. Claims 9-12 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

7. Applicant's arguments, see page 8, line 6 to page 10, line 15, filed in Paper No. 4, February 19, 2003, with respect to claims 9-12 have been fully considered and are persuasive. The rejection of claims 9-12 set forth in Paper No. 3 has been withdrawn.

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh-An D. Nguyen whose telephone number is 703-305-5713. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Valencia Martin-Wallace can be reached on 703-308-4119. The fax phone

numbers for the organization where this application or proceeding is assigned are 703-872-9302 for regular communications and 703-872-9303 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0858.

BN



VALENCIA MARTIN-WALLACE  
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